

## CLAIMS

1. An oscillator array comprising:  
a plurality of series-connected oscillators; and  
5 at least one band elimination filter which is disposed between  
respective adjacent two of said oscillators.
2. The oscillator array according to claim 1, wherein  
another band elimination filter is disposed between said oscillator and  
10 said band elimination filter, and  
a resistance is disposed between a ground point and a point between  
said band elimination filter and the another band elimination filter.
3. A synchronization method of an oscillator array comprising: a  
15 plurality of series-connected oscillators; and at least one band elimination  
filter which is disposed between respective adjacent two of said oscillators,  
wherein  
signal generated from each of said oscillators is in phase with signal  
reflected by corresponding band elimination filter at elimination frequencies  
20 of said band filter, and is in opposite phase with signal leaked from  
corresponding band elimination filter, by which stable oscillation is performed,  
with oscillation frequency of said oscillator balanced with optimum frequency  
between natural frequency of said oscillator and the elimination frequencies  
of said band elimination filter, while said oscillators are synchronized by  
25 using the elimination frequencies as reference frequencies.